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March 7, 2002 *Malvina J. McLean* #10/B  
Attorney of Record *Malvina J. McLean* #1502  
OPIE JETRA MAR 19 2002 ON 45102  
PATENT & TRADEMARK OFFICE REC'D 3/25/02  
PATENT NO. 140315.92289

PATENT  
Docket No.: 140315.92289

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thornborough  
Appl. No.: 09/472,105  
Filed: December 27, 1999  
Title: METERING PULSE TRANSDUCER  
Art Unit: 2855  
Examiner: L. Martir

AMENDMENT

Commissioner for Patents  
Washington, DC 20231

Sir:

In response to the Office Action of December 19, 2001,  
please enter the following Amendment and Remarks in the file of  
the above patent application.

Amendment

IN THE CLAIMS:

Please amend claims 1 and 14 as follows:

B  
WRI ✓  
1. (Twice amended) A pulse transducer, comprising:  
a rotor having an axis of rotation and having a plurality  
of magnetically switchable elements spaced around the axis and  
movable along a path of travel around the axis, each of said  
magnetically switchable elements having at least four magnetic  
states;

a sensor disposed adjacent said rotor for carrying  
magnetically produced electrical pulses;